

**Notice of Allowability**

Application No.

09/843,356

Examiner

Hong Cho

Applicant(s)

PARK ET AL.

Art Unit

2662

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/4/2005.
2. ☒ The allowed claim(s) is/are 1-15.
3. ☒ The drawings filed on 26 April 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Allowable Subject Matter*

1. Claims 1-15 are allowable.

The following is an examiner's statement for reasons for allowance.

2. Claim 1 is allowable over the prior art of record since the cited references taken individually or in combination fail to particularly teach or fairly suggest managing managed object (MO) sub blocks within any of a base station manager (BSM), a plurality of control stations, and a plurality of base stations in an IMT- 2000 system, the apparatus comprising a TMN network management center for managing state information of the sub blocks and for transferring a common management information service element (CMISE) service executive instruction to the BSM, a TMN repeater installed within the BSM and including modeled MO classes for collecting the state information concerning sub blocks within the BSM by means of the MO classes to transfer the state information to the TMN network management center and for updating the MO classes inside thereof to correspond to a CMISE service executive instruction received from the TMN network management center, a local TMN repeater installed within each control station, and housing the modeled MO classes, wherein said local TML repeater collects the state information of sub blocks within the control stations and updates the MO classes inside thereof to correspond to the CMISE service executive instruction received from said TMN repeater within the BSM and a sub block state management section installed within each base station for collecting the state information of the sub blocks inside thereof and

for transferring the state information to the local TMN repeater within the control stations.

Claim 2 is allowable over the prior art of record since the cited references taken individually or in combination fail to particularly teach or fairly suggest managing a mobile communication network in an IMT-2000 system by means of a TMN when a state information is generated from sub blocks within base stations or control stations, the method comprising the steps of a1) determining, in a local TMN repeater within each control station, whether or not the state information is generated from base stations managed thereby, b1) determining, in the local TMN repeater within each of control stations, whether or not the state information is generated from sub blocks within the control station thereof, when the state information is not generated from the base stations managed thereby, c1) transferring, in the local TMN repeater, the state information to a TMN repeater within a BSM when the state information is generated from the sub blocks within the control station, and proceeding to the step a1) when the state information is generated from the sub blocks within the control station in the a1) step, d1) transferring, in the TMN repeater within the BSM, the state information received from the local TMN repeater within the pertinent control station to a TMN network management center, and e1) managing, in the TMN network management center, the pertinent control station by means of the TMN method upon receiving the state information of the sub blocks within the particular control station transmitted from the TMN repeater within the BSM.

***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

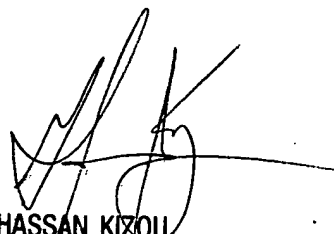
- US Patent (6094575) to Anderson et al
- US Patent (6389282) to Hirsch
- US Patent (6128302) to Kim et al

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hong Cho whose telephone number is 571-272-3087. The examiner can normally be reached on Mon-Fri during 7 am to 4 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on 571-272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3088.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

hc  
Hong Cho  
Patent Examiner  
6/17/2005

  
HASSAN KIZOU  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600